

QUIZ NO: 390

TOPIC: STEEL STRUCTURES

DATE: 14/01/2021

1. The common assumption that all rivets in a joint share equal direct load is valid at a load ____?

- [1] below working load
- [2] equal to working load
- [3] more than working load
- [4] equal to failure load.

Answer :D

2. A plastic hinge is a zone of yielding due to ____?

- [1] tension
- [2] compression
- [3] flexure
- [4] shear

Answer :C

3. Prying forces are ____?

- [1] friction forces
- [2] shear forces
- [3] tensile forces
- [4] bending forces

Answer :C

4. Which one of the following is the mode of failure in a fillet weld material?

- [1] Tension
- [2] Shear
- [3] Bearing
- [4] Crushing

Answer : B

5. In a built-up section carrying tensile force, the flanges of two channels are turned outward?

- [1] to simplify the transverse connections
- [2] to minimize lacing
- [3] to have greater lateral rigidity
- [4] All of the above

Answer :C

6. The slenderness ratio of lacing bars should not exceed?

- [1] 100
- [2] 120
- [3] 180
- [4] 145

Answer :D

7. The standard quality of structural steel shall conform to _____?

- [1] IS 800
- [2] IS 226
- [3] IS 2062
- [4] IS 1929

Answer :C

8. Which one of the following forces is used for the design of battens of a built up column?

- [1] Axial Load
- [2] Twisting Moment
- [3] Vertical Shear
- [4] Transverse Shear

Answer : D

9. In case of structural steel sections, the minimum ratio of thickness of elements in compression, in terms of their outstanding length is specified to prevent?

- [1] bending failure
- [2] shear failure
- [3] local buckling
- [4] tension failure

Answer : C

10. The beams that span between adjacent columns are called?

- [1] Main Beam
- [2] Primary Beam
- [3] Girder
- [4] All of these

Answer : D

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